IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.	:	TO BE ASSIGNED
Applicant	:	SEYFANG, ANDREAS
Filed	:	CONCURRENTLY HEREWITH
Title	:	METHOD FOR MULTIPLE SITE-DIRECTED MUTAGENESIS
Art Unit	:	TO BE ASSIGNED
Examiner	:	TO BE ASSIGNED
Atty Docket No.	:	MCOG-0004-1

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.51(b), 1.56, 1.97 and 1.98, this Information Disclosure Statement is submitted in the above-identified patent application, which claims the priority of November 10, 2003, the filing date of Provisional Patent Application No. 60/518,319. A listing of documents to be published on the face of any patent granted from this application is submitted herewith on Form PTO-1449. Any other documents or information submitted for consideration by the Examiner are listed in this paper. A copy of each foreign patent, or each publication or portion thereof listed or herein identified, is submitted herewith, except that a copy of any U.S. patent application identified herein or any patent, publication or other information listed herein cited or submitted in a prior application relied upon for an earlier filing date under 35 U.S.C. § 120 and identified below, is not submitted herewith.

CERTIFICATION

This Information Disclosure Statement is submitted within three months of (i) the filing date of the above-identified U.S. National Patent application, or (ii) before the first office action on the merits, or (iii) the date of entry into the U.S. National Stage of the above-identified International Application, or (iv) the date of entry into the U.S. National Stage of the International Application that has been assigned the above-identified U.S. Patent application number, whichever applies.

The Commissioner is hereby authorized to charge payment of any fees associated with this communication, including fees under 37 C.F.R. §§ 1.16 and 1.17 or credit any overpayment to **Deposit Account Number 10-0233-MCOG-0004-1.**

The Examiner is requested to acknowledge consideration of the information provided in this paper in accordance with prescribed procedures.

Respectfully submitted,

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January 29, 2004

Form PTO 1449 U.S. Department of Commerce Patent and Trademark Office Information Disclosure Statement by Applicant	ATTY. DOCKET NUMBER MCOG-0004-1	SERIAL NUMBER To Be Assigned based on Priority from 60/518,319
	APPLICANT SEYFANG, Andreas	
	FILING DATE January 29, 2004	GROUP

U.S. Patent Documents

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

Foreign Patent Documents

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

		BRAMAN, *In Vitro Mutagenesis Protocols, Second Edition.*
		KUNKEL, "Rapid and efficient site-specific mutagenesis without phenotypic selection," *Proc. Natl. Acad. Sci.*, Vol. 82, pp 488-492, January 1985
		WEINER *et al.*, "Site-directed Mutagenesis of double-stranded DNA by the polymerase chain reaction," *Gene.*, Vol. 151, pp 119-123, 1994
		ISHII *et al.*, "Site-Directed Mutagenesis," *Methods in Enzymology,* Vol. 293, pp 53-71, 1998
		MIKAELIAN *et al.*, "A general and fast method to generate multiple site directed mutations," *Nucleic Acids Research,* Vol. 20, No. 2, page 376, 1992
		DWIVEDI *et al.*, "Generation of Multiple Mutations in the Same Sequence via the Polymerase Chain Reaction Using a Single Selection Primer," *Analytical Biochemistry,* Vol. 221, pp 425-428, 1994
		BHAT, "Multiple Site-Directed Mutagenesis," *Methods in Molecular Biology,* Vol. 57, pp 269-277, 1996
		MEETEI *et al.*, "Generation of Multiple Site-Specific Mutations in a Single Polymerase Chain Reaction Product," *Analytical Biochemistry,* Vol. 264, pp 288-291, 1998
		KIM *et al.*, "Multiple Site Mutagenesis with High Targeting Efficiency in One Cloning Step," *BioTechniques,* Vol. 28., No. 2, pp 196-198, 2000
		LEE *et al.*, "Multiple Mutagenesis of non-universal serine codons of the Candida rugosa LIP2 gene and biochemical characterization of purified recombinant LIP2 lipase overexpressed in Pichia pastoris," *Biochem. J.*, Vol. 366, pp 603-611, 2002

		JAVITCH *et al.*, "Use of the Substituted Cysteine Accessibility Method to Study the Structure and Function of G Protein-Coupled Receptors," *Methods in Enzymology*, Vol. 343, pp 137-156, 2002
		DANIELSON *et al.*, "Cysteine and Disulfide Scanning Reveals a Regulatory α-Helix in the Cytoplasmic Domain of the Aspartate Receptor," *The Journal of Biological Chemistry*, Vol. 272, No. 52, pp 32878-32888, December 1997
		CRUZ *et al.*, "Double targeted gene replacement for creating null mutants," *Proc. Natl. Acad. Sci.*, Vol. 88, pp 7170-7174, August 1991
		SEYFANG *et al.*, "Aspartate 19 and Glutamate 121 Are Critical for Transport Function of the myo-Inositol/H+ Symporter from Leishmania donovani," *The Journal of Biological Chemistry*, Vol. 272, No. 39, pp 24210-24215, September 1997
		JIN *et al.*, "High-affinity myo-inositol transport in Candida albicans: substrate specificity and pharmacology," *Microbiology*, Vol. 149, pp 3371-3381, 2003
		THOMPSON *et al.*, "An Improved Protocol for the Preparation of Yeast Cells for Transformation by Electroporation," *Yeast*, Vol. 14, pp 565-571, 1998
		AUSUBEL et al., "Introduction of DNA into Yeast Cells," *Short Protocols in Molecular Biology, Fourth Edition*, Unit 13.7, pp 13.31-13.36
		MEDINA-ACOSTA *et al.*, "Rapid isolation of DNA from trypanosomatid protozoa using a simple 'mini-prep' procedure," *Molecular and Biochemical Parasitology*, Vol. 59, pp 327-330, 1993
		KUNKEL *et al.*, "On the Fidelity of DNA Replication," *The Journal of Biological Chemistry*, Vol. 259, No. 3, pp 1539-1545, February 1984
		TINDALL *et al.*, "Fidelity of DNA Synthesis by the Thermus aquaticus DNA Polymerase," *Biochemistry*, Vol. 27, pp 6008-6013, 1988
		CLINE *et al.*, PCR fidelity of Pfu DNA polymerase and other thermostable DNA polymerases," *Nucleic Acids Research*, Vol. 24, No. 18, pp 3546-3551, 1996
		SANTOS *et al.*, "Transfer RNA structural change is a key element in the reassignment of the CUG codon in Candida albicans," *The EMBO Journal*, Vol. 15, No. 18, pp 5060-5068, 1996
		KONG *et al.*, "Characterization of a DNA Polymerase from the Hyperthermophile Archaea Thermococcus litoralis," *The Journal of Biological Chemistry*, Vol. 268, No. 3, pp 1965-1975, January 1993
		COHEN *et al.*, "Functional expression of rat GLUT 1 glucose transporter in Dictyostelium discoideum," *Biochem J.*, Vol. 315, pp 971-975, 1996
		SAWANO *et al.*, "Directed evolution of green fluorescent protein by a new versatile PCR strategy for site-directed and semi-random mutagenesis," *Nucleic Acids Research*, Vol. 28, No. 16, pp i-vii, 2000

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant